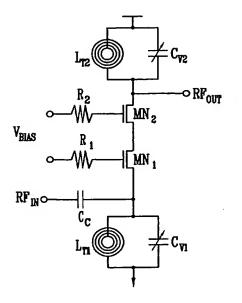
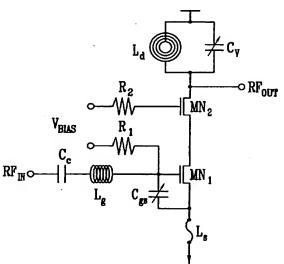


Resonance frequency control from baseband processor or frequency synthesizer

[Fig. 4]



[Fig. 5]

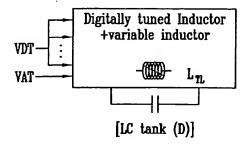


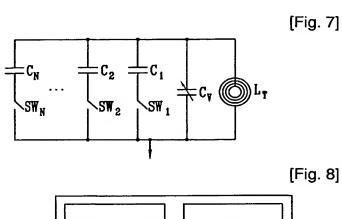
Digitally tuned Inductor VDT L_{π} VAT-

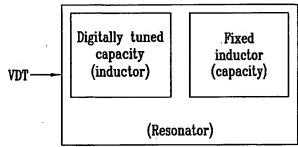
[LC tank (A)] Digitally tuned capacitor+ Digitally tuned inductor+ **Varactor**

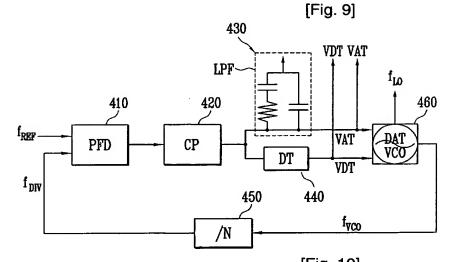
VDT VAT (000)[LC tank (C)]

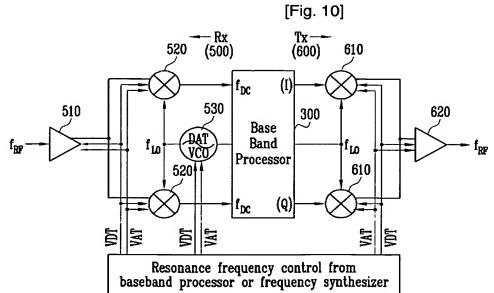
[Fig. 6] Digitally tuned capacitor + Varactor VDT-VAT [LC tank (B)]

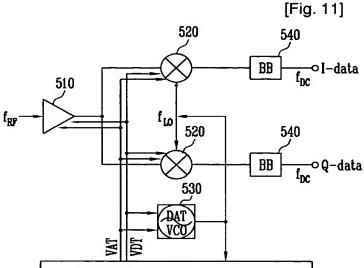




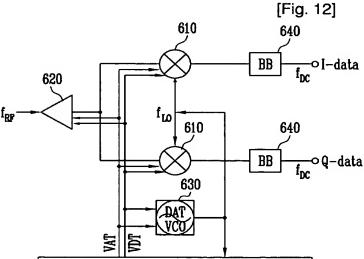






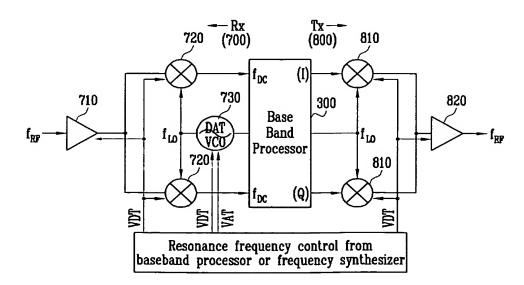


Resonance frequency control from baseband processor or frequency synthesizer

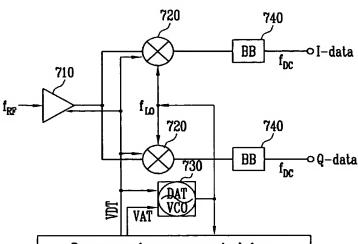


Resonance frequency control from baseband processor or frequency synthesizer

[Fig. 13]

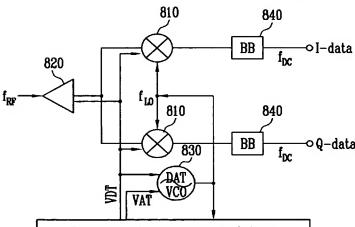






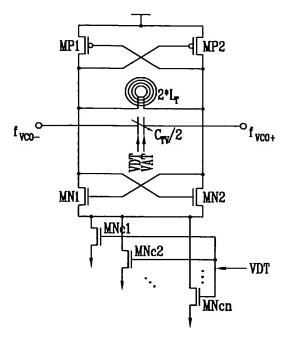
Resonance frequency control from baseband processor or frequency synthesizer

[Fig. 15]



Resonance frequency control from baseband processor or frequency synthesizer

[Fig. 16]



[Fig. 17]

